

[illegible]

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FFFFFFFFFFF      000000      RRRRRRRR
FFFFFFFFFFF      000000      RRRRRRRR
FF              00              00      RR              RR
FF              00              00      RR              RR
FF              00              00      RR              RR
FF              00              00      RR              RR
FFFFFFFFF      00              00      RRRRRRRR
FFFFFFFFF      00              00      RRRRRRRR
FF              00              00      RR      RR
FF              00              00      RR      RR
FF              00              00      RR      RR
FF              00              00      RR      RR
FF              00              00      RR      RR
FF              000000      RR      RR
FF              000000      RR      RR

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C  
C Version: 'V04-000'

C\*\*\*\*\*  
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C  
C Modified by:

C V03-001

C Steve Beckhardt 1-Jun-1982  
C Corrected definitions for XFSM\_IOS\_CMDSTD and  
C XFSM\_IOS\_DRVABT bits.

C  
C Function Codes

PARAMETER		
1	XFSK_PKT_RD = 0,	!read device
1	XFSK_PKT_RDCHN = 1,	!read device chained
1	XFSK_PKT_WRT = 2,	!write device
1	XFSK_PKT_WRTCHN = 3,	!write device chained
1	XFSK_PKT_WRTCM = 4,	!write control message
1	XFSK_PKT_SETTST = 6,	!set self test
1	XFSK_PKT_CLRTST = 7,	!clear self test
1	XFSK_PKT_NOP = 8,	!no-op
1	XFSK_PKT_DIAGRI = 9,	!diagnostic read internal
1	XFSK_PKT_DIAGWI = 10,	!diagnostic wrt internal
1	XFSK_PKT_DIAGRD = 11,	!diagnostic read DDI
1	XFSK_PKT_DIAGWC = 12,	!diag write control msg
1	XFSK_PKT_SETRND = 13,	!set random enable
1	XFSK_PKT_CLRRND = 14,	!clear random enable
1	XFSK_PKT_HALT = 15	!set halt

C  
C Interrupt Control Codes

PARAMETER		
1	XFSK_PKT_UNCOND = 0,	!unconditional interrupt
1	XFSK_PKT_TMOMT = 64,	!int if TERMQ empty
1	XFSK_PKT_NOINT = 128	!do not deliver int



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C
C Command Control Codes
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PARAMETER      XFSK_PKT_NOTRAN = 0,      !no transmission
1              XFSK_PKT_CB = 8,          !send only command byte
1              !on Control Interconnect
1              XFSK_PKT_CBDM = 16,        !send command byte and
1              !device message
1              XFSK_PKT_CBDMBC = 24       !send command byte,
1              !dev msg, and byte count

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C
C Other Modes Values
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PARAMETER      XFSK_PKT_SUPLEN = 32      !suppress length error
PARAMETER      XFSK_PKT_INSHD = 256      !insert pkt at head
PARAMETER      XFSK_PKT_INSTL = 0        !insert pkt at tail of q

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C
C Masks for error bits set in the IO Status Block
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PARAMETER      XFSM_IOS_CIPPE = '20000000'X,
1              XFSM_IOS_CMDSTD = '2'X,
1              XFSM_IOS_DDIDIS = '10'X,
1              XFSM_IOS_DDIERR = '80'X,
1              XFSM_IOS_DIPE = '40000000'X,
1              XFSM_IOS_DRVABT = '2000'X,
1              XFSM_IOS_FREQMT = '200'X,
1              XFSM_IOS_FREQPK = '8'X,
1              XFSM_IOS_INVDDI = '800'X,
1              XFSM_IOS_INVPKT = '100'X,
1              XFSM_IOS_INVPTPE = '4'X,
1              XFSM_IOS_LENERR = '1000'X,
1              XFSM_IOS_LOG = '40'X,
1              XFSM_IOS_NEXREG = '20'X,
1              XFSM_IOS_NORMAL = 1,
1              XFSM_IOS_PARERR = '80000000'X,
1              XFSM_IOS_RDSERR = '2000000'X,
1              XFSM_IOS_RNDENB = '400'X,
1              XFSM_IOS_RNGERR = '40'X,
1              XFSM_IOS_SBIERR = '1000000'X,
1              XFSM_IOS_SLFTST = '20'X,
1              XFSM_IOS_UNQERR = '80'X,
1              XFSM_IOS_WCSPE = '10000000'X

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C
C Masks for error bits set in DSL in packet
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PARAMETER      XFSM_PKT_CMDSTD = '2000'X,
1              XFSM_PKT_DDIDIS = '10'X,
1              XFSM_PKT_DDIERR = '80'X,
1              XFSM_PKT_DRVABT = '2'X,
1              XFSM_PKT_FREQMT = '200'X,
1              XFSM_PKT_FREQPK = '8'X,
1              XFSM_PKT_INVDDI = '800'X,
1              XFSM_PKT_INVPKT = '100'X,
1              XFSM_PKT_INVPTPE = '4'X,

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1 XFSM_PKT_LENERR = '1000'X,  
1 XFSM_PKT_LOG = '40'X,  
1 XFSM_PKT_NEXREG = '20'X,  
1 XFSM_PKT_NORMAL = '1'X,  
1 XFSM_PKT_RNDENB = '400'X,  
1 XFSM_PKT_RNGERR = '40'X,  
1 XFSM_PKT_SLFTST = '20'X,  
1 XFSM_PKT_UNQERR = '80'X
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C  
C SHR$ Status Returns  
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PARAMETER SHR$_HALTED = '1270'X !transfer is halted  
PARAMETER SHR$_QEMPTY = '1280'X !no packet on TERMQ  
PARAMETER SHR$_NOCMDMEM = '1278'X !no cmd memory allocated
```



0190 AH-BT13A-SE  
VAX/VMS V4.0

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